

Reference

Project: Biogas plant Kogel

1. Fermenter in concrete construction:

Technical Data:

- Flow fermenter 1 x 600 m³
- Post fermenter/gas reservoir 1 x 1.940 m³
- Substrate final depot 1 x 4.630 m³
with gas hood



2. Charging Technology

Push floor charging unit: 1 x 54 m³

3. BHKW in Container Construction:

mit emergency gas torch, gas analyzing system, gas compression station, coolant heat coupling out plant, flue gas system, catalyst, emergency cooling system, gas detector and ventilating system

installed power:

- 537 kW electrical
- 550 kW thermal



4. Medium voltage connection of the BHKW consisting of:

- 1 x pre-cast segment compact station
- 1x transformer 800 kVA with 24 kW medium voltage switching station, low voltage distribution board



5. Crafts:

- Hydraulic insertion of a BHKW module via long distance heating tube and transmission station
- Gas pipeline with gas cooling
- Safety facilities for reactor and foil magazine
- Technique room consisting of
 - substrate tubing
 - pneumatic substrate distributor
- Substrate heating / double-tube heat-exchanger
- Separator
- Connection of the substrate pipeline to the final depot
- 2 x divided real mixer for flow fermenter
- 2 x big sized wing agitator
- Control, visualization, cabling for post fermenter
- Pre-set route in the plant access and in the charging area
- Silage plate 3.000 m²



Start of operation:

Decembre 2009

Builder:

Top 3 Biogas GmbH & Co. KG

